



RATHYUSHA ENGINEERING COLLEGE

CRITERIA-4

4.3 - IT Infrastructure

4.3.1 Institution Frequently updates its IT Facilities including Wi-Fi

List of Systems with its configuration



ESTD. 2001

PRATHYUSHA ENGINEERING COLLEGE

4.3.1. Institution frequently updates its IT facilities including Wi-Fi

The college provides computer facilities to the students to learn experimentally and also to gain access to the cutting-edge technologies in the IT world. These systems have excellent networking facilities with additional Wi-Fi routers in each block.

The state-of-the-art engineering in our Computer Centre comprises the following:

- IBM Blade Server.
- Advanced Networking Equipment from CISCO.
- Latest software & Tools are available to enable the students to work on data analysis, computing technologies, web technologies and software designing.
- NAS-Network Attached Storage data back-up system of 2TB capacity.

The Internet bandwidth provided through Wi-Fi is 100 Mbps which is made available to the students round the year between 8.00 am and 6.00 pm and for the hostel students beyond 6.00 pm.

The list of systems with their configuration is as follows:

S.N O	DEPARTM ENT	NAME OF LABORATORY	CONFIGURATION	NO OF SYSTE MS	PURPOSE
1	CSE	ADOBE LAB	HCL Branded Core 2 Duo 2.93 GHz, 2 GB DDR2 RAM, 250 GB Storage, 18.5.5" TFT Monitor, Keyboard & mouse	6	CURRICULAM LAB
2	CSE	ADOBE LAB	HP Desktop 280G1 Intel Core i3@3.6Ghz-4160/ 4GB DDR 3-1600Mhz/ 500GB HDD/ 18.5.5"HP LED Monitor/HP Keyboard & mouse	60	CURRICULAM LAB
3	CSE	IBM LAB	HCL Branded Core 2 Duo 2.93 GHz, 2 GB DDR2 RAM, 250 GB Storage, 18.5.5" TFT Monitor, Keyboard & mouse	25	CURRICULAM LAB
4	CSE	IBM LAB	HP Pro3330 Corei3-2100,2GB,250GB,18.5.5"LED Monitor, Keyboard & mouse	8	CURRICULAM LAB
5	CSE	ORACLE LAB	Dell OptiPlex 5060-Intel Core 8500 Core i5 8th Gen.3.00 GHZ 8GB Ram 1 TB HDD,19"LED Monitor, Keyboard & mouse	30	CURRICULAM LAB

6	CSE	ORACLE LAB	HCL Branded Core 2 Duo 2.93 GHz, 2 GB DDR2, 250 GB Storage, 18.5.5" Monitor,Keyboard & mouse	3	CURRICULAM LAB
7	CSE	SUN LAB	Dell OptiPlex 7050-Intel Core 8500 Core i7 7th Gen.3.6 GHZ 8GB ,1 TB HDD,19"LED Monitor, Keyboard & mouse	30	CURRICULAM LAB
8	CSE	SUN LAB	HCL Branded Core 2 Duo 2.93 GHz, 2 GB DDR2, 250 GB Storage, 18.5.5"Monitor,Keyboard/mouse	3	CURRICULAM LAB
9	CSE	IBM CLOUD LAB	HP Pro3330 Corei3-2100@3.10GHZ/2GB/320GB/18.5.5"Monitor/Keyboard & mouse	25	CURRICULAM LAB
10	B.E/B.Tech/ FIRST YEAR LAB	COMPUTER PRACTICE LAB	HCL - Intel Core 2 Duo, E7500, 2.93 GHz, 2 GB RAM, 250 GB HDD, 15.5.5" Monitor, HCL Keyboard & mouse	22	CURRICULAM LAB
11	B.E/B.Tech/ FIRST YEAR LAB	COMPUTER PRACTICE LAB	HP Pro3330 MT-Corei3 2100,3.1 GHZ, 2GB,320GB HDD, 18.5.5" Monitor, Keyboard & mouse	32	CURRICULAM LAB
12	B.E/B.Tech/ FIRST YEAR LAB	COMPUTER PRACTICE LAB	Hp Compaq DX2480, Intel (R) Core (TM) 2 Duo 2.66 GHz Processor, G33, 1 GB RAM, 160 GB HDD, 15.5" Monitor Keyboard, mouse	12	CURRICULAM LAB
13	IT	FOSS LAB	HCL Branded Core 2 Duo 2.93 GHz, 4 GB DDR2, 250 GB Storage, 18.5.5" Monitor,Keyboard/ mouse	33	CURRICULAM LAB
14	IT	MICROSOFT LAB	HCL Branded Core 2 Duo 2.93 GHz, 4 GB DDR2, 250 GB Storage, 18.5.5" Monitor,Keyboard/ mouse	64	CURRICULAM LAB
15	IT	MICROPROCESSOR LAB	HP Pro 3330 Core i3 – 3240 / @ 3.40 GHz/ H61 / 2GB RAM / 500 GB HDD,HP 18.5.5" Monitor, Keyboard & Mouse	28	CURRICULAM LAB
16	IT	CISCO LAB	HP Pro3330 Corei3-2100,2GB,320GB HDD, 18.5.5" Monitor, Keyboard & mouse	25	CURRICULAM LAB

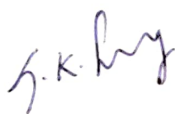
17	IT	CISCO LAB	HCL Branded Core 2 Duo E7300@2.66 GHz, 1 GB DDR2 RAM, 160 GB Storage, 15.5" Monitor, Keyboard & mouse	1	CURRICULAM LAB
18	ECE	COMMUNICATION LAB	HP Compaq DX2480 Intel Core 2 Duo 2.66GHZ / 2GB / 160GB HDD / 15.5" Monitor / Keyboard & mouse	13	CURRICULAM LAB
19	ECE	DSP LAB	HP Compaq DX2480 Intel Core 2 Duo 2.66GHZ / 2GB / 160GB HDD / 15.5" Monitor / Keyboard & mouse	29	CURRICULAM LAB
20	ECE	DSP LAB	HP P2-12741I PC-i3/3220T/2GB/500GB/18.5.5"L ED Monitor, Keyboard & mouse	1	CURRICULAM LAB
21	ECE	ELECTRONIC CIRCUIT LAB	HP Compaq DX2480 Intel Core 2 Duo 2.66GHZ/2GB/160GB HDD / 15.5" Monitor / Keyboard & mouse	4	CURRICULAM LAB
22	ECE	ELECTRONIC CIRCUIT LAB	HP 3500 MT-CORE I3 3220,CPU@3.40GHZ,2.00 GB,500 GB HDD, 18.5.5"LED Monitor, Keyboard & mouse	2	CURRICULAM LAB
23	ECE	ESD LAB	HP Compaq DX2480 Intel Core 2 Duo 2.66GHZ/2GB/160GB HDD/15.5"Monitor/Keyboard & mouse	8	CURRICULAM LAB
24	ECE	ESD LAB	HP 3500 MT-CORE I3 3220,CPU@3.40GHZ, 2.00GB,500 GB 18.5.5"LED Monitor, Keyboard & mouse	4	CURRICULAM LAB
25	ECE	MICROPROCESSOR LAB	HCL Branded Core 2 Duo 2.93 GHz, 2 GB DDR2, 250 GB, 18.5.5"Monitor,Keyboard & mouse	5	CURRICULAM LAB
26	ECE	MICROPROCESSOR LAB	HP Compaq DX2480 Intel Core 2 Duo 2.66GHZ / 2GB / 160GB HDD / 15.5"Monitor / HP Keyboard / mouse	7	CURRICULAM LAB
27	ECE	MICROPROCESSOR LAB	HP Pro 3330 Core i3 – 3240 / @ 3.40 GHz/ H61 / 2GB RAM / 500 GB 18.5.5"LED Monitor, Keyboard & mouse	3	CURRICULAM LAB

28	ECE	NI LAB	HP Pro3330 Corei3-2100,2GB,500GB,18.5.5" HP LED Monitor,HP Keyboard & mouse	36	SPECIAL LAB
29	ECE	PG LAB	HP Compaq DX2480 Intel core 2 Duo 2.66 GHz/2 GB/160 GB HDD/15.5" CRT HP monitor/HP USB keyboard/HP USB optical mouse	12	CURRICULAM LAB
30	ECE	VLSI LAB	HP P2-1274II PC-i3/3220T/2GB/500GB/18.5.5" LED Monitor, Keyboard & mouse	22	CURRICULAM LAB
31	ECE	VLSI LAB	HP Compaq DX2480 Intel Core 2 Duo 2.66GHZ / 2GB / 160GB HDD / 15.5"CRT HP Monitor / HP USB Keyboard / HP USB Optical mouse	12	CURRICULAM LAB
32	EEE	CONTROL SYSTEM LAB	INTEL PIV 2.8GHZ/256MB RAM/40GB HDD/15.5"CRT MONITOR/USB KEYBOARD/USB OPTICAL mouse	2	CURRICULAM LAB
33	EEE	CONTROL SYSTEM LAB	HP Compaq DX2480 Intel core 2 Duo 2.66 GHz/2 GB/160 GB HDD/15.5" monitor/keyboard/mouse	3	CURRICULAM LAB
34	EEE	CONTROL SYSTEM LAB	HP COMPAQ D X2280 INTEL DUAL CORE 2.66 GHZ / 512 MB / 80 GB HDD / 15.5" CRT HP MONITOR / KEYBOARD & mouse	1	CURRICULAM LAB
35	EEE	POWER ELECTRONICS LAB	HP Compaq DX2480 Intel core 2 Duo 2.66 GHz/2 GB/160 GB HDD/15.5" CRT HP monitor/HP USB keyboard/HP USB optical mouse	4	CURRICULAM LAB
36	EEE	POWER ELECTRONICS LAB	HP COMPAQ D X2280 INTEL DUAL CORE 2.66 GHZ / 512 MB / 80 GB HDD / 15.5" CRT HP MONITOR / KEYBOARD & mouse	1	CURRICULAM LAB

37	EEE	POWER SYSTEM SIMULATION LAB	HP COMPAQ D X2280 INTEL DUAL CORE 2.66 GHZ / 512 MB / 80 GB HDD / 15.5" CRT HP MONITOR / KEYBOARD & mouse	1	CURRICULAM LAB
38	AI & DS	WEBTECH LAB	HP Pro3330 Corei3-2100,4GB,500GB HDD, 18.5.5"Monitor, Keyboard & mouse	4	CURRICULAM LAB
39	AI & DS	WEBTECH LAB	HP Pro3330 Corei3-2100,8GB,500GB HDD, 18.5.5"Monitor, Keyboard & mouse	32	CURRICULAM LAB
40	AI & DS	NETWORK LAB	HCL - Intel Core 2 Duo, E7500, 2.93 GHz, 4 GB, 250 GB, 15.5.5" Monitor, Keyboard & mouse	21	CURRICULAM LAB
41	AI & DS	NETWORK LAB	HCL - Intel Core 2 Duo, E7500, 2.93 GHz, 4 GB, 250 GB, 15.5." Monitor, Keyboard & mouse	8	CURRICULAM LAB
42	AI & DS	NETWORK LAB	HP Pro3330 MT-Corei3 2100,3.1 GHZ,4GB,320GB HDD, 18.5.5" Monitor, Keyboard mouse	8	CURRICULAM LAB
43	AI & DS	AI&DS LAB	HCL Branded Core 2 Duo 2.93 GHz, 4 GB DDR2, 250 GB 18.5." HCL Monitor, Keyboard. Mouse	20	CURRICULAM LAB
44	AI & DS	AI&DS LAB	HP Pro3330 Corei3,4GB,500GB,18.5.5"HP LED Monitor, HP Keyboard & mouse	16	CURRICULAM LAB
45	MECH	HARITHA LAB	HP 500-220in / Core i5-4570 (3.2 G)/8 GB DDR3 RAM/1 TB HDD/R/W DVD/NVIDIA 1 GB Graphics / Windows 8 / Wireless Keyboard & mouse/ 18.5.5"LED TFT Monitor / 3 Years Warranty	38	SPECIAL LAB
46	MECH	MECHATRONICS LAB	HCL - Intel Core 2 Duo, E7500, 2.93 GHz, 2 GB RAM, 250 GB HDD, 15.5" LCD Monitor, HCL Keyboard & mouse	13	CURRICULAM LAB

47	CIVIL	STRUCTURAL LAB	HP COMPAQ D X2280 INTEL DUAL CORE 2.66 GHZ / 512 MB / 80 GB HDD / 15.5" CRT HP MONITOR / KEYBOARD & mouse	1	CURRICULAM LAB
48	CIVIL	THERMAL LAB	Intel PIV 2.8GHZ / 256MB / 40GB HDD / 15.5"CRT Samsung Monitor / Zenith Keyboard / Logitech mouse	1	CURRICULAM LAB
49	BIOTECH	BIO INFORMATICS	HP Pro3330 MT-Corei3 2100,3.1 GHZ,2GB,320GB HDD, 18.5.5"LCD Monitor, Keyboard & mouse	42	CURRICULAM LAB
50	BIOTECH	GENETICS	INTEL PIV 2.8GHZ/256MB RAM/40GB HDD/15.5"CRT MONITOR/USB KEYBOARD/USB OPTICAL mouse	1	CURRICULAM LAB
51	NIWE	NIWE CALIBRATION LAB (MAIN BLOCK)	HP 500-220in / Core i5-4570 (3.2 G)/8 GB DDR3 RAM/1 TB HDD/R/W DVD/NVIDIA 1 GB Graphics / Windows 8 / Wired Keyboard & mouse/ 18.5."Monitor / 3 Years Warranty	4	CURRICULAM LAB
52	S&H	ENGLISH COMMUNICATION LAB	HCL - Intel Core 2 Duo, E7500, 2.93 GHZ, 2 GB RAM, 250 GB HDD, 15.5" LCD Monitor, HCL Keyboard & mouse	12	CURRICULAM LAB
53	S&H	ENGLISH COMMUNICATION LAB	HP Compaq DX2480 Intel Core 2 Duo 2.66GHZ / 1GB / 80GB HDD / 15.5"CRT HP Monitor / HP USB Keyboard / HP USB Optical mouse	12	CURRICULAM LAB
54	S&H	ENGLISH COMMUNICATION LAB	HP Pro3330 MT-Corei3 2100, 3.1 GHZ, 2GB, 320GB HDD, 18.5."LCD Monitor, Keyboard & mouse	9	CURRICULAM LAB
55	CSE/IT/AI &DS	PROJECT LAB	HCL - Intel Core 2 Duo, E7500, 2.93 GHz, 2 GB RAM, 250 GB HDD, 15.5" LCD Monitor, HCL Keyboard & mouse	34	CURRICULAM LAB

56	OTHERS	R&D	HCL - Intel Core 2 Duo, E7500, 2.93 GHz, 2 GB RAM, 250 GB HDD, 15.5" LCD Monitor, HCL Keyboard & mouse	1	CURRICULAM LAB
57	OTHERS	R&D	Dell OptiPlex 5060-Intel Core 8500 Core i5 8th Gen.3.00 GHZ 8GB of Ram, 1 TB HDD 18.5.5"LED Monitor, Keyboard & mouse	2	CURRICULAM LAB
58	LIBRARY	DIGITAL LIBRARY	HCL - Intel Core 2 Duo, E7500, 2.93 GHz, 2 GB RAM, 250 GB HDD, 15.5.5" LCD Monitor, HCL Keyboard & mouse	28	CURRICULAM LAB
59	LIBRARY	DIGITAL LIBRARY	HP Pro3330 MT-Corei3 2100,3.1 GHZ,2GB,320GB HDD, 18.5.5"LCD Monitor, Keyboard & mouse	2	CURRICULAM LAB
TOTAL				886	



Mr.G.K. Edwin Breto
System Administrator



Dr.W.Thamba Meshach
HOD-CSE/ITES Incharge



Dr.B.R.Ramesh Bapu
Principal

Dr. B.R.RAMESH BAPU

B.E., M.E., M.S (Engg.), Ph.D.

PRINCIPAL

PRATHYUSHA ENGINEERING COLLEGE

Poonamallee to Thiruvallur High Road,
Chennai - 602 025.